

Opening Your Eyes to IWRIS (Integrated Water Resources Information System)



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Presentation Summary

- ▶ Introduction
- ▶ Video Presentation
- ▶ IWRIS Registration and Login
- ▶ IWRIS User Interface Explanation
- ▶ Demonstration of Selected Features
- ▶ Next Steps
- ▶ Questions and Answers



Acknowledgments

▶ DWR – Funding

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▶ Design, Development & Testing

- ▶ WRIME – Saquib Najmus, Donghai Wang, En-ching Hsu, and Jeanna Long

▶ User Testing and Feedback

- ▶ DWR – Tom Lutterman, Tasmin Eusuff, Alex Vdovichenko, and Shengjun Wu
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▶ **Deployment**

- ▶ DWR – Division of Technology Services
 - Tim Garza, Angel Romero and his IWRIS Deployment Team

▶ **Video Promotional Material**

- ▶ DWR – Robert Dolliver, Ty Fisher, Victor Jimenez, and Albert Madrid



Let Us Start with a Video Show



Are your eyes open?



Video Show

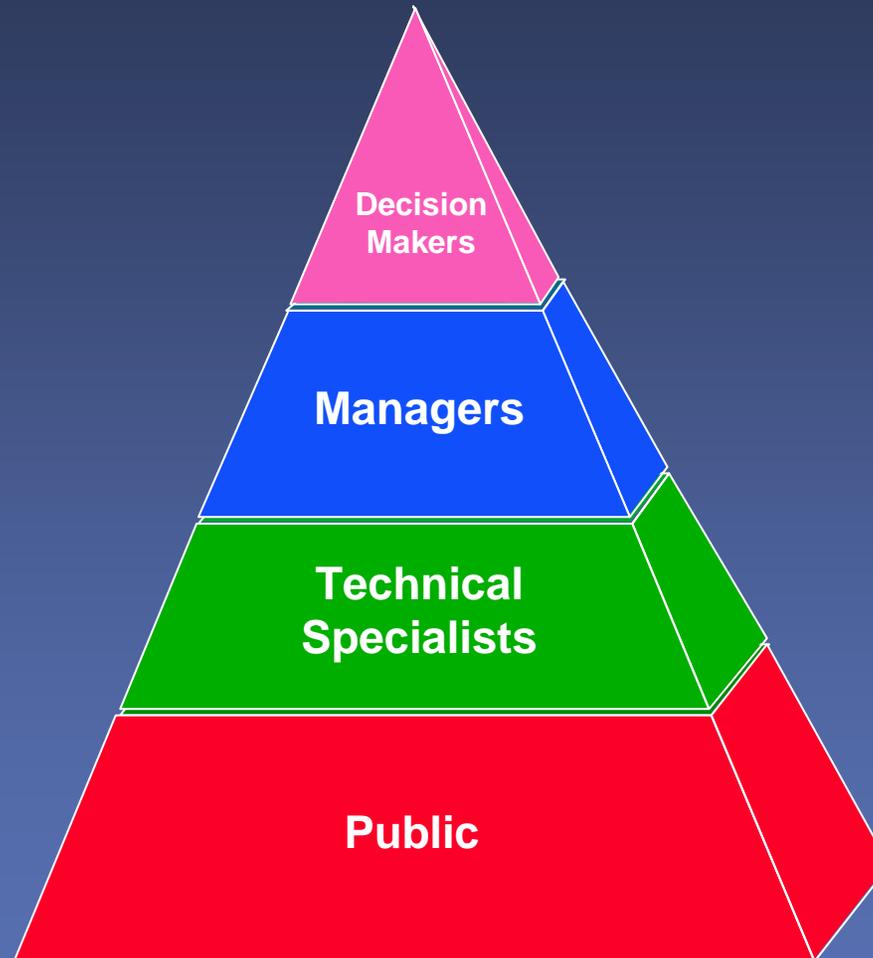


The Vision

- ▶ State-wide Water Resources Information Management System
- ▶ “One-stop shop” on Data
- ▶ Easy Access to Data
- ▶ Increase Efficiency on Data Analysis
- ▶ Integration of Multi-disciplinary Data to Support IRWM
- ▶ Flexible and Expandable GUI



Varied Users Needs



IWRIS is a public web site

- ▶ Now available @ www.iwris.water.ca.gov
- ▶ First time users need to register
- ▶ Why registration?
 - Saves your customized graphical user interface (myIWRIS)
 - Saves your last view and setting



Integrated Water Resources Information System (IWRIS)



LINKS

- ➔ [IWRIS Home](#)
- ➔ [IWRIS Login](#)
- ➔ [New User Registration](#)
- ➔ [Quick Start](#)
- ➔ [IWRIS Online Help](#)
- ➔ [IWRIS Layer List](#)
- ➔ [Contact Us](#)

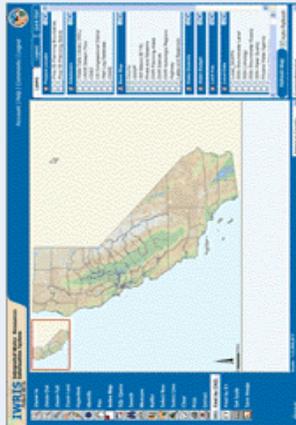
ADDRESS

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INFORMATION ABOUT IWRIS

What is IWRIS?



What's New?

IWRIS Vision

Getting Started

Online Help

IWRIS is a data management tool for water resources data. It is a web based GIS application that allows you to access, integrate, query, and visualize multiple sets of data. Some of the databases include DWR Water Data Library, California Data Exchange Center (CDEC), USGS streamflow, Local Groundwater Assistance Grants (AB303), and data from local agencies.

Use the buttons below to register or log on to start using IWRIS now!



Registration is an easy 1-minute process

IWRIS User Registration

Personal Information Organization Account

E-mail Address

First Name

Last Name

Phone (Office)

Phone (Mobile)

Middle Name

Title

Phone (Direct)

Fax

Fields with * are required



IWRIS Account

Personal Information Organization Account

Organization

Address List
select one

branch/Branch

Address

Phone

Web site

City

State

Zip



IWRIS Account

Personal Information Organization Account

E-mail Address: snajmus@wrime.com

Choose a Password**

Confirm Password

** Password must be minimum of 5 characters.





Getting Started Check List



Use Internet Explorer 6.0 or higher



Turn of all pop-up blockers



Monitor resolution should be $\geq 1024 \times 768$



You may want to read the Quick Start page on left panel of home page



Explanation of the User Interface

The screenshot displays the IWRIS (Integrated Water Resources Information System) interface. The main display area shows a map of California with county names labeled. The interface includes a top navigation bar with the IWRIS logo and version information, a top right corner with help, comments, and logout links, and a bottom status bar with scale and theme information.

Key components and their functions are highlighted with callouts:

- Map Tools:** A vertical toolbar on the left side containing various map navigation and analysis tools such as Zoom In, Zoom Out, Zoom Full, Zoom East, Hyperlink, Identify, Pan, Overview Map, SQL Query, Search, Measure, Buffer, Select Box, Select Line, Clear, Print, Extract, Find by DNIS, Find by XY, Set Scale, and Save Image.
- Main Display Area:** The central map area showing county boundaries and names across California.
- Layer Control & Legend:** A panel on the right side that allows users to manage map layers and view a legend. It includes a 'Layers' tab and a 'Legend' tab.
- Expand Layer Group:** A callout pointing to the 'Base Map' group in the Layer Control panel, which is expanded to show sub-layers like County, Township, SWRCB Regions, Hydrologic Regions, Lakes and Reservoirs, Rivers and Streams, DWR Districts, and GW Basins(B119).
- Make Layer Visible/Active:** A callout pointing to the 'County' layer in the Layer Control panel, which is checked to indicate it is active.
- Refresh Map:** A callout pointing to the 'Refresh Map' button at the bottom right of the interface.
- Auto Refresh:** A callout pointing to the 'Auto Refresh' checkbox at the bottom right of the interface.
- Personalized Theme Selection:** A callout pointing to the 'Select A County' button at the bottom right of the interface.
- Save Image:** A callout pointing to the 'Save Image' button in the Map Tools toolbar.
- Results of Query:** A callout pointing to the bottom status bar area, which displays 'Scale: 1:2,814,296' and 'ACWA Interface'.

Product Showcase: Selected Features

- Web based GIS Interface
- MyIWRIS -- Customize User Interface
 - Select and Customize Themes
 - Add, Delete, and Move Layers & Groups
- Data Dissemination and Sharing
 - Map Based Connection to Bull. 118
 - Rapid Access to Related Information
 - Map Based Connection to FAAST
- Integration and Empowerment of Databases
 - Water Data Library (WDL)
 - GWMP
 - CDEC
 - USGS
- Local Databases
 - SGA
 - Mojave
- Other
 - Models



Computer Demo of WDL



WDL – computer demo

- ▶ Data summary – metadata on selected wells
- ▶ Single well hydrograph
- ▶ Multiple well hydrograph
- ▶ Dynamic Search Function
- ▶ Excel download
- ▶ Zip download
- ▶ Neighborhood search
- ▶ Graph customizations
- ▶ Comparison with data from other database

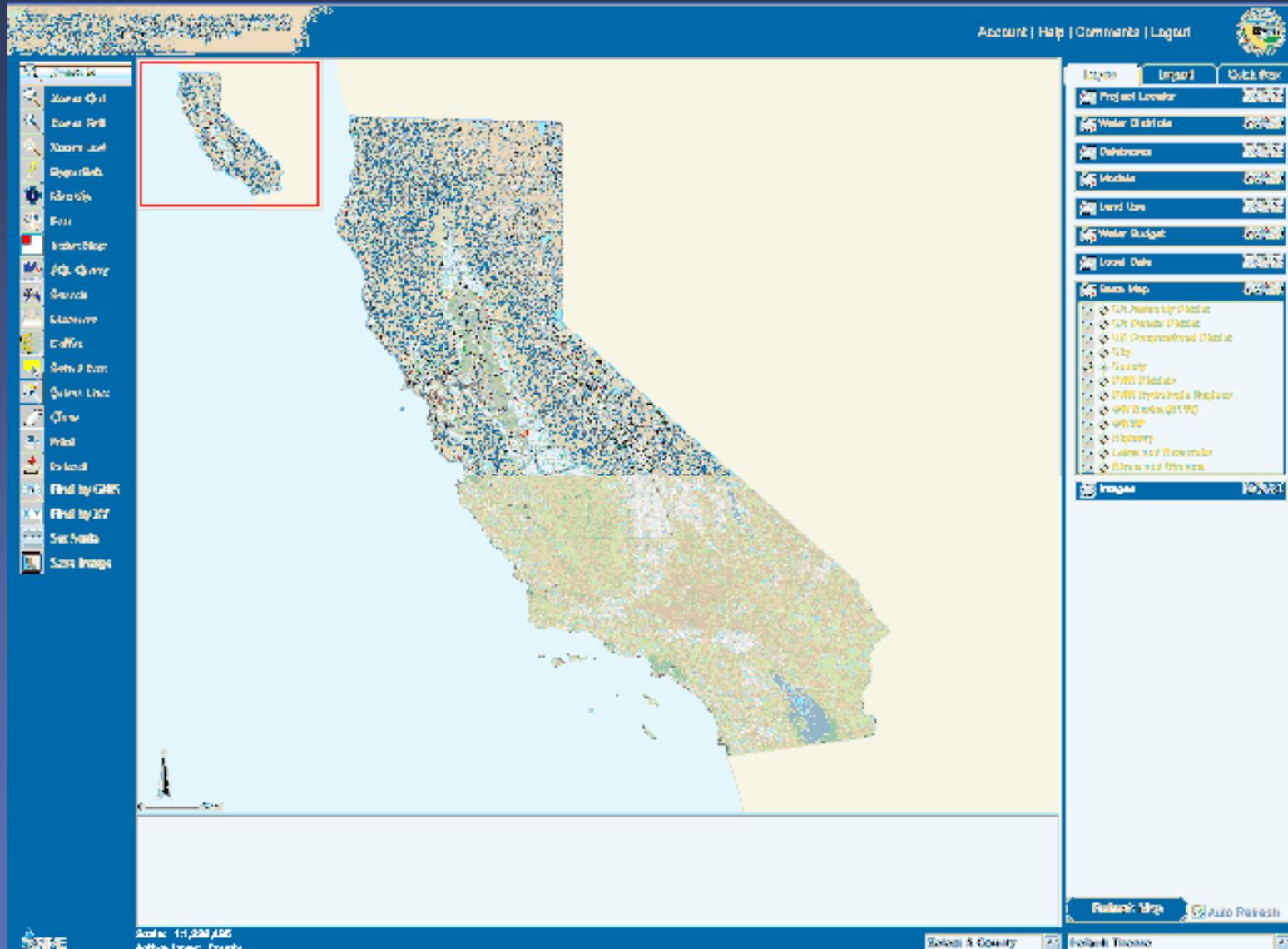


CDEC – computer demo

- ▶ Station List and Data Query
- ▶ Selected Time Window Data Extraction



Integrated Solution to Distributed Sources of Data



Computer Demo of GWMP & B118 Basin Descriptions



Groundwater Management Plans Bulletin 118 Basin Descriptions

Computer Demonstration



IWRIS Database Connections

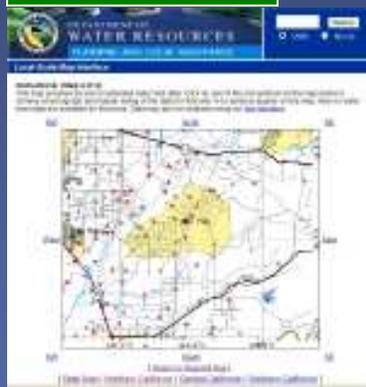
USGS



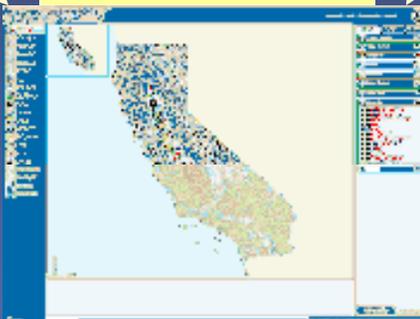
AB303 Grants



WDL



IWRIS



FAAST



CDEC



Well Logs Secure

Others

Locals Databases



Key Points of IWRIS

1. IWRIS supports IRWM
 - a. Data access and visualization
 - b. Ability to disseminate data to partners and the public
 - c. Increased efficiency
 - d. Integration of multi-disciplinary data
 - e. Access to regional models
2. One stop shop
3. Web based GIS Interface
 - a. Data is maintained by the source agency – no centralized database
 - b. Preserves security set by source agency
4. Integration with Local Agency Databases
5. Data analysis and query across multiple databases
6. Easy to Use



Questions



www.iwris.water.ca.gov

